

Release notes for ENDF/B Development e-071_Lu_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-071_Lu_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Lu + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Lu [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Lu [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Lu + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Lu [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Lu1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 63442. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Lu2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10845. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Lu2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10373. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Lu2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 9243.200000000001 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Lu3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2470.5 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Lu3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2258. eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Lu3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2016.1 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Lu3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1650.8 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Lu3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1597.8 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Lu4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 497.85 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Lu4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 410.19 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Lu4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 355.05 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Lu4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 209.38 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Lu4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 199.32 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Lu4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 18.96 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + \text{Lu4f7/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 17.32 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + \text{Lu5s1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 66.34 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + \text{Lu5p1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 41.52 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + \text{Lu5p3/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 34.22 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + \text{Lu5d3/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.45 eV!

24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + \text{Lu5d5/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.03 eV!

25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + \text{Lu6s1/2}$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.33 eV!

- **xsectplotter** Warnings:

1. Mislabelled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
 ... [4 more lines]